

AMENDMENTS TO THE CLAIMS

1. (Withdrawn)

2. (Withdrawn)

3. (Withdrawn)

4. (Withdrawn)

5. (Withdrawn)

6. (Original) A mobile unit for use in a wireless communications network, comprising;

an operating system, including hardware and software that performs communications functions;

call quality data components to determine at least one call quality metric, and

a location system, comprising hardware and software that determine a location of the mobile unit in compliance with enhanced 911 ("E911") requirements, wherein the location system,

receives a query from a switch, wherein the query includes a request for call data and location data, wherein the location data comprises a location of the mobile unit in compliance with E911 requirements; and

transmits the location data and the call quality metric to the switch in response to the request.

7. (Original) The mobile unit of claim 6, wherein the location system includes global positioning system equipment.

8. (Original) The mobile unit of claim 6, further comprising a performance monitoring system that monitors and stores multiple network performance characteristic measurements.

9. (Original) A method for analyzing a wireless communications network in real-time, comprising:

- receiving performance monitoring criteria;
- using the performance monitoring criteria to query at least one mobile unit in the wireless communications network;
- receiving at least one response to the query, including call data and location data;
- creating a link between the call data and the location data;
- storing the call data, the location data, and the link in a server;
- accessing the server to retrieve the call data, the location data, and the links;
- using the call data, the location data and the links to create at least one performance report, including a graphical report that displays the call data as a function of location and time, wherein the location is a location of a mobile unit with a resolution required by enhanced 911 ("E911") services, and the time is a time at which the call data was created and at which the mobile unit was in the location.

10. (Original) The method of claim 9, further comprising automatically adjusting parameters of the wireless communications network based on the at least one performance report and predetermined performance guidelines.

11. (Original) The method of claim 10, wherein the parameters include power settings of network components, and frequency assignments.

12. (Withdrawn)

13. (Withdrawn)

14. (Withdrawn)

15. (Withdrawn)

16. (Withdrawn)

17. (Withdrawn)

18. (Withdrawn)

19. (Withdrawn)

20. (Withdrawn)

21. (Withdrawn)

22. (Withdrawn)

23. (Original) A wireless communications system, comprising:
a mobile unit, wherein the mobile unit includes,
a performance monitoring means that records multiple network performance characteristics; and
a location means that creates location data describing a location of the mobile unit with a resolution required by enhanced 911 ("E911") services; and
a data processing means in communication with the mobile unit, comprising,
means for using the network performance characteristics and the location data to create at least one performance report, including a graphical report that displays the call data as a function of location and time, wherein the location is the location of the mobile unit at the time the network performance characteristics were recorded.

24. (Original) The wireless communications system of claim 23, wherein the data processing means further comprises:

- means for receiving performance monitoring criteria;
- means for using the performance monitoring criteria to query the mobile unit; and
- means for receiving a response to the query, wherein the response includes the network performance characteristics and the location data.

25. (Original) The wireless communications system of claim 23, wherein the data processing means further comprises:

- means for creating a link between the network performance characteristics and the location data;
- means for storing the network performance characteristics, the location data, and the link in a server; and
- means for retrieving the network performance characteristics and the location data in response to a request to create the at least one performance report.